Date: August 6, 2003 NT DOCUMENTS NAME Wessells III Schwenk Welsh Welsh Inami et al. Asoshina et al. Celli Draper Kloppe et al. Wycech		SUBCLASS		DATE IF
August 6, 2003 NT DOCUMENTS NAME Wessells III Schwenk Welsh Welsh Inami et al. Asoshina et al. Celli Draper Kloppe et al.		36	FILING	
NT DOCUMENTS NAME Wessells III Schwenk Welsh Welsh Inami et al. Asoshina et al. Celli Draper Kloppe et al.	CLASS	SUBCLASS		
Wessells III Schwenk Welsh Welsh Inami et al. Asoshina et al. Celli Draper Kloppe et al.	CLASS	SUBCLASS		
Wessells III Schwenk Welsh Welsh Inami et al. Asoshina et al. Celli Draper Kloppe et al.	CLASS	SUBCLASS		
Schwenk Welsh Welsh Inami et al. Asoshina et al. Celli Draper Kloppe et al.				
Welsh Welsh Inami et al. Asoshina et al. Celli Draper Kloppe et al.				
Welsh Inami et al. Asoshina et al. Celli Draper Kloppe et al.				
Inami et al. Asoshina et al. Celli Draper Kloppe et al.				
Asoshina et al. Celli Draper Kloppe et al.				
Celli Draper Kloppe et al.				
Draper Kloppe et al.				
Kloppe et al.			ļ	
Wycech			-	
TENT DOCUMENT	rs .			
COUNTRY	CLASS	SUBCLASS	TRANS! YES	NO NO
7 UK.				
9 Germany	· ·			þ
0 U.K.				
2 Europe				
7 U.K.		 		
9 Japan		-		
Japan -				
0 Europe				
) Japan				
Including Author Title Date Pe	ertinent Pages Etc.	' ')		
	COUNTRY 7 U.K. 9 Germany 0 U.K. 2 Europe 7 U.K. 9 Japan 9 Japan 0 Europe 0 Japan (Including Author, Title, Date, Pe	COUNTRY CLASS 7	COUNTRY CLASS SUBCLASS I L.K. Germany U.K. Europe U.K. Japan Japan U Europe U Japan U Lurope U Japan	COUNTRY CLASS SUBCLASS YES TRANSI TRANSI YES TRANSI

TINAN APPLICATION Filing Date: Group: 3612		T OF COMMERCE		Atty. Doc	ket Number:		Seri	al Number:		
Applicant(s): Michael J. Czaplicki et al. Applicant(s): Michael J. Czaplicki et al.	PATENT AND TR	ademakk uppice			1001-009C2			10/6	35,070	
TIMAN APPLICATION Filing Date: Group: 3612	ASKOF PRIOR	ART CITED BY APPLIC	CANT	Applicant		cki et al.				
U.S. PATENT DOCUMENTS	IN Al	N APPLICATION	•				Gro		612	
DOCUMENT NUMBER DATE NAME CLASS SUBCLASS APPROPRIAT					August 6, 2003					
DOCUMENT NUMBER DATE NAME CLASS SUBCLASS APPROPRIAT	PATERARIX		U.S.	PATENT	DOCUMENTS					_
4,705,716	*EXAMINER		DAT	E	NAME	CLA	.ss	SUBCLASS		
4,917,435 04/17/1990 Bonnett et al.	M	4,613,177	09/23/	1986	Loren et al.			11		
4,989,913 02/05/1991 Moore, III	10	4,705,716	11/10/	1987	Tang					
5,102,188 04/07/1992 Yamane		4,917,435	04/17/	1990	Bonnett et al.					
5,122,398 06/16/1992 Seiler et al.		4,989,913	02/05/	1991	Moore, III					
5,560,672 10/01/1996 Lim et al.		5,102,188	04/07/	1992	Yamane					
5,642,914 07/01/1997 Takabatake 5,648,401 07/15/1997 Czaplicki et al.		5,122,398	06/16/	1992	Seiler et al.					
S,648,401 07/15/1997 Czaplicki et al.		5,560,672	10/01/	1996	Lim et al.			-		
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION		5,642,914	07/01/	1997	Takabatake					
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION	(MX	5,648,401	07/15/	1997	Czaplicki et al.		1			
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NC		F	OREI	GN PATE	ENT DOCUMENT	S				
G90111a7.8 097/24/1990 GEImany		DOCUMENT NUMBER		DATE	COUNTRY	CLA	SS	SUBCLASS		
PCT/AU92/00468 09/03/1992 PCT		G9011147.8	09/	24/1990	Germany	-				FE
PC1/RO92/00408 03/03/1992 PCT		91104546.6	03/	22/1991	Europe				0	-E
G9320333.0 06/21/1994 Germany PCT/EP95/00896 03/10/1995 PCT PCT/US96/11155 07/01/1996 PCT		PCT/AU92/0046	8 09/	03/1992	PCT					T
PCT/EP95/00896 03/10/1995 PCT PCT/US96/11155 07/01/1996 PCT		94101343.5	01/	29/1994	Europe					
PCT/US96/11155 07/01/1996 PCT		G9320333.0	- 06/	21/1994	Germany —					F
		PCT/EP95/0089	6 03/	10/1995	PCT				-0-	F
		PCT/US96/1115	5 07/	01/1996	PCT					
OTHER DOCUMENTS (Including Author, Title, Date, Peruncal Pages, Etc.)					L		F. 1		L	ــــــــــــــــــــــــــــــــــــــ
		OTHER DO	CUIVI	EN 15 (Inci	luding Author, Title, Date, Pe	runent Page	25, E.C.)			
	EXAMINER	111		DA	TE CONSIDERE	D: 4	-7	- / >	,	
EXAMINER AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		Mare 1	me			5		28/07	<i></i> _	
EXAMINER Mare in DATE CONSIDERED: 5/28/04	Form PTO-1449							ARTMENT OF		

			2004							
Form PTO-1449 U.S. DEPARTMENT PATENT AND TRAD	OF COMMERCE		Sitty. Do	cket Number:		Seri	ial Num	iber:		
I TATELLI TALL	J. T.	V ÚÉ		1001-009C2				10/63	5,070	
LIST OF PRIOR AR		ICA	NT Applicar	t(s): Michael J. Czaplic	ki et al.					
	APPLICATION sheets if necessary)		Filing Da	ate:		Gro	oup:	36	512	
				August 6, 2003		<u></u>				=
-	T	Į	J.S. PATEN	T DOCUMENTS	_				EU DIC	D. TE 15
*EXAMINER TRIAL	DOCUMENT NUMBER		DATE	NAME	CL	ASS	SUBC	LASS		DATE IF PRIATE
MO	5,649,400	07/	/22/1997	Miwa	1				-	
	5,652,039	07/	/29/1997	Tremain et al.						
	5,803,533	09/	08/1998	Schulz et al.					-	
	5,804,608	09/	/08/1998	Nakazato et al.	1				••	
	5,806,915	09/	15/1998	Takabatake		1				
	5,806,919	09/	15/1998	Davies						
	5,866,052	02/	/02/1999	Muramatsu					·	
	5,888,642	03/	/30/1999	Meteer et al.						
1	5,901,528	05/	/11/1999	Richardson						
M	5,904,024	05/	18/1999	Miwa		1				
\mathcal{O}		FOF	REIGN PAT	ENT DOCUMENT	S					
	DOCUMENT NUMBE	R	DATE	COUNTRY	CLA	vss	SUBCI	LASS	TRANS	LATION NO
	PCT/US98/179	94	09/03/1998	PCT	+					
	PCT/US99/000	35	01/06/1999	PCT						
	PCT/US99/007	70	01/14/1999	PCT			-			
	PCT/US99/018	55	02/03/1999	PCT						
	PCT/US99/018	65	02/09/1999	PCT					U	
e	PCT/US99/042	63	03/03/1999	PCT				-		-
	PCT/US99/042	79	03/29/1999	PCT						
	PCT/US99/104	41	05/18/1999	PCT				\dashv		-0-
	PCT/US99/111	95	05/20/1999	PCT						
	PCT/US99/111	94	05/20/1999	PCT	1					
	OTHER D	OCI	UMENTS (In	cluding Author. Title. Date. Per	tinens Pao	es, Etc.)				
.			,= ,= , ,,,,							
	+									
						7.				
EXAMINER	are June	ne	D	ATE CONSIDEREI): <u>(</u>	1	281	de	/	
Form PTO 1440		_		Patent and Trademark						

	FFR	1 1 2014 2						
Form PTO-1449 U.S. DEPARTMENT PATENT AND TRA	OF COMMERCE DEMARK OFFICE OF	tty.	Docket Number:		Seria	l Number:		
			1001- <u>009C2</u>		L	10/6	35,070	
	RT CITED BY APPL	ICANT Appl	icant(s): Michael J. Czaplic	ki et al.				
	APPLICATION al sheets if necessary)	Filing	g Date:		Grou		612	
			August 6, 2003		<u> </u>			
	L poguname	U.S. PATI	ENT DOCUMENTS	+			CII DIC I	DATE IF
*EXAMINER TRIAL	DOCUMENT NUMBER	DATE	NAME	CLAS	ss	SUBCLASS		PRIATE
M	5,932,680	08/03/1999	Heider					
	5,941,597	08/24/1999	Horiuchi et al.					
	5,985,435	11/16/1999	Czaplicki et al.					
	5,988,734	11/23/1999	Longo et al.					
	5,994,422	11/30/1999	Bom et al.					
	6,004,425	12/21/1999	Born et al.					
	6,022,066	02/08/2000	Tremblay et al.					
	6,033,300	03/07/2000	Schneider					
	6,050,630	04/18/2000	Hochet					•
	6,059,342	05/09/2000	Kawai et al.					
V /	6,068,424	05/30/2000	Wycech					
MX	. 6,077,884	06/20/2000	Hess et al.					
\mathcal{O}		FOREIGN PA	ATENT DOCUMENTS	S		•		
	DOCUMENT NUMBE	R DATE	COUNTRY	CLAS	ss	SUBCLASS	TRANSI YES	LATION NO
	PCT/US99/111	10 05/20/19	99 PCT					
	PCT/US99/1110	09 05/20/19	99 PCT		- 			
	PCT/CA99/004	24 05/21/19	99 PCT					
	PCT/EP99/0383	32 06/02/19	99 PCT					
	PC1/EP99/061	12 08/20/19	99 PCT					
	PCT/US99/188	20 08/26/19	99 PCT		\dashv			0
	PCT/US99/188	32 09/02/19	99 PCT					
	PCT/EP99/0712	13 09/25/19	99 PCT				-0-	
	PCT/US99/2479	95 10/22/19	99 <u>PCT</u>		_		-	
	OTHER D	OCUMENTS	(Including Author, Title, Date, Per	tinent Page	E(C)			
		OCCURENTE	(meaning numor, rine, eare, re-		, 214)			
								
EXAMINER	41		DATE CONSIDEREI)· –	1	1		-
EAAMINER //	Many	\	DATE CONSIDEREI	3/	2	704		
Form PTO-1449			Patent and Trademark	Office - U.S	. DEPAI	RTMENT OF C	OMMERCE	

	ART CITED BY APPLICA	ANT Appl	1001-009C2 licant(s): Michael J. Czapli	cki et al.	10/6	535,070	
	N APPLICATION eral sheets if necessary)	Filin	g Date:	(Group:	3612	
			August 6, 2003				_
*EXAMINER	DOCUMENT	U.S. PAT	ENT DOCUMENTS			FILING	DA.
TRIAL	NUMBER	DATE	NAME	CLASS	SUBCLASS	APPRO	
My	6,079,180 0	6/27/2000	Wycech		 	 	_
		7/04/2000	Yoshida				
		7/18/2000	Seeliger et al.				
	6,092,864 0	7/25/2000	Wycech et al.				
	6,094,798 0	8/01/2000	Seeliger et al.				
	6,096,403 0	8/01/2000	Wycech et al.				
	6,096,791 0	8/01/2000	Born et al.				•
,	6,099,948 0	8/08/2000	Paver, Jr.				
	6,102,379 0	8/15/2000	Ponslet et al.				
	6,102,473 0	8/15/2000	Steininger et al.				
M	6,103,341 0	8/15/2000	Barz et al.				
	·FO	REIGN P	ATENT DOCUMENT	s			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS YES	SLAT
	PCT/EP99/09541	12/02/19	99 PCT				Π
	PCT/EP99/09732	12/10/19	99 PCT			-0-	F
	PCT/EP99/09909	12/14/19	99 PCT				
	PCT/US99/29987	12/17/19	999 PCT				
	PCT/US99/29991	12/17/19					-
	PCT/US99/29986	12/17/19	999 PCT				F
	PCT/US99/29990	12/17/19	999 PCT	+			F
	PCT/US99/29992	+				-0-	F
	PCT/DE99/04103					-0	+
		.t	(Including Author, Title, Date, Pe	erinani Papas I		<u> </u>	ـــ
	OTHER DOC	OWENTS	(Including Author, Tule, Dute, Fe	ment ruges, i	G(L)		_
							
							-

	ART CITED BY APPL	JCANT	Applica	1001-009C2 nt(s): Michael J. Czaplick	ci et al.		10/03	35,070	
	APPLICATION ral sheets if necessary)		Filing D	Pate:	Gr	oup:	3.6	512	
				August 6, 2003			J.	,12	
		U.S	. PATEN	T DOCUMENTS			•		
CAMINER TELAL	DOCUMENT NUMBER	D/	ATE	NAME	CLASS	SUE	BCLASS	FILING D	
	6,103,784	08/15	/2000	Hilborn et al.					
	6,110,982	08/29	/2000	Russick et al.					
	6,129,410	10/10	/2000	Kosaraju et al.		<u> </u>			
	6,131,897	10/17	/2000	Barz et al.					
	6,135,542	10/24	/2000	Emmelmann et al.		<u> </u>			
	6,149,227	11/21	/2000	Wycech					
	6,150,428	11/21	/2000	Hanley, IV et al.					
	6,152,260	11/28	/2000	Eipper et al.					
	6,153,709		/2000	Xiao et al.					
	6,165,588		/2000	Wycech					
X.	6,168,226	01/02	2/2001	Wycech					
77									
\mathcal{O}		FORE	IGN PAT	TENT DOCUMENTS					_
	DOCUMENT NUMB	ER	DATE	COUNTRY	CLASS	SUE	BCLASS	TRANSI YES	ATIO N
	PCT/EP99/101	51 1	2/21/199 9	PCT					
	PCT/US00/000	10 0	1/03/2000	PCT		士			E
	PCT/EP00/000	21 0	1/04/2000	PCT					—E
			1/0//0000			\vdash			Ţ
	PCT/US00/014	344 0	1 /26/2000	PCT		1			
	PCT/US00/010		1/26/2000 1/27/2000			‡=			[
		97 0		PCT					
	PCT/US00/004	97 0 31 0	1/27/2000	PCT PCT					
	PCT/US00/004 PCT/US00/026	97 0 31 0 74 0	1/27/2000 2/02/2000	PCT PCT PCT					

1

.

Form PTO-1449 My. Docket Number Serial Number: Form PTO-1449
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE PADEMS 1001-009C2 10/635,070 LIST OF PRIOR ART CITED BY APPLICANT Applicant(s): Michael J. Czaplicki et al. IN AN APPLICATION Filing Date: Group: (Use several sheets if necessary) August 6, 2003 3612 U.S. PATENT DOCUMENTS SUBCLASS DOCUMENT NUMBER NAME CLASS FILING DATE IF *EXAMINER APPROPRIATE TRIAL **Bryant** 3,123,170 Mar-64 Fitzgerald, et al. 3,493,257 Feb-70 **DePutter** 3,665,968 5/30/72 4,019,301 4/26/77 Fox Puterbaugh 4/4/78 4,082,825 Yates, et al. 12/9/80 4,238,540 Evans, et al. 4,397,490 Aug-83 4,732,806 3/22/88 Wycech Wycech 4,751,249 Jun-88 FOREIGN PATENT DOCUMENTS TRANSLATION CLASS SUBCLASS Document Number Date Country YES NO

曰 Europe 1/20/99 EP 0 891 918 A1 **Furope** EP 0 893 331 A1 1/27/99 Europe EP 0 893 332 A1 Japan JP 5-38992 Feb-93 PCT PCT/JP88/00029 PCI 11/20/97 PCT/US97/07644 PCT PCT/US97/10893 6/25/97 PCT 11/14/97 PCT/US97/19981 PCT PCT/US98/08980 11/12/98 PCT/US98/16461 2/25/99 **OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

DATE CONSIDERED:

Patent and Trademark Office - U.S. DEPARTMENT OF COMMERCE

EXAMINER

Form PTO-1449

(FEB 1 1 2004 &

Form PTO-1449 U.S. DEPARTMENT (OF COMERCENTE		Atty.	Docket Number 1001-009C2		Serial Number: 10/6	35,070
PATENT AND TRAD						,	
	T CITED BY APPLI	CANT	Appl	icant(s): Michael J. Czapli	icki et al.		
	PPLICATION sheets if necessary)		Filin	g Date:		Group:	
				August 6, 2003			612
	_	U.S.	PATI	ENT DOCUMENTS			
*EXAMINER	DOCUMENT	DAT	E	NAME	CLASS	SUBCLASS	FILING DATE IF
TRIAL	NUMBER						APPROPRIATE
	4,762,352	8/9	9/88	Enomoto			
X	4,803,108	2/	7/89	Leuchten, et al.			
	4,836,516	6/6	6/89	Wycech			
	4,853,270	8/	1/89	Wycech			
	4,861,097	8/29	9/89	Wycech			
	4,898,630	2/6	6/90	Kitoh, et al.			
	4,901,500		o-90	Wycech			
	4,908,930		r-90	Wycech			
	4,922,596		3/90	Wycech			
	4,923,902		8/90	Wycech			
	4,978,562	12/18		Wycech	1		
	4,995,545		6/91	Wycech			
					+		
	5,124,186		1-92	Wycech			
	5,213,391		5/93	Takagi			
	5,255,487		t-93	Wieting, et al.			
	5,266,133	11/30		Hanley, et al.			
	5,344,208	9/6	5/94	Bien, et al.			
W//-	5,373,027	12/13	3/94	Hanley, et al.			
	5,395,135		7/95	Lim, et al.			ļ
	·	FORE	IGN F	PATENT DOCUMENTS	<u> </u>		
	Document Number	Date	· 	Country	CLASS	SUBCLASS	TRANSLATION YES NO
	OTHER DOCUM	MENTS		(Including Author, Title, Date	e, Pertinent P	ages, Etc.)	·
,						. 1	
EXAMINER	ary San			DATE CONSIDERED:	6	heloy	
Form PTO-1449		/				S DEPARTMENT OF	

		30CK 051				
Form PTO-1449 U.S. DEPARTMENT (о сомметсе	Atty	Docket Number 1001-009C2		Serial Number: 10/6	35,070
PATENT AND TRAD	IMAN	ANAPHA		٠		
	T CITED BY APPER	CANT App	licant(s): Michael J. Czap	olicki et al.		
	PPLICATION	Citi-	on Date:		C	
(Ose several	sheets if necessary)	Fill	ng Date: August 6, 2003		Group:	612
		U.S. PAT	ENT DOCUMENTS			
*EXAMINER	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF
TRIAL	NUMBER				1	APPROPRIATE
MAD	5,506,025	4/9/96	Otto, et al.			
10%	5,575,526	11/19/96	Wycech			
4	5,580,120	12/3/96	Nees, et al.			
	5,707,098	1/13/98	Uchida, et al.			
	5,725,272	3/10/98	Jones			
	5,731,069	3/24/98	Delle Donne, et al.			
	5,755,486	5/26/98	Wycech			
	5,766,719	6/16/98	Rimkus			
	5,785,376	7/28/98	Nees, et al.			
	5,786,394	7/28/98	Slaven			
	5,855,094	1/5/99	Baudisch, et al.			
	5,884,960	3/23/99	Wycech			
	5,885,688	3/23/99	McLaughlin			
	5,888,600	3/30/99	Wycech			
	5,934,737	8/10/99	Abouzahr			
	5,984,389	11/16/99	Nuber			
	5,992,923	11/30/99	Wycech			
	6,003,274	12/21/99	Wycech			
	6,022,066	2/8/00	Tremblay, et al.			
MX	6,058,673	5/9/00	Wycech			
	•		PATENT DOCUMENTS	V		
	Document Number	Date	Country	CLASS	SUBCLASS	TRANSLATION
						YES NO
	OTHER POCUE	4ENITC				ЦЦ
	OTHER DOCUM	IEN 15	(Including Author, Title, Do	ale, Perlinent Pa	ges, E(c.)	
	 			<u>-</u>		
EVAMINED ///			DATE CONCIDENCE		<i>ff</i>	
EXAMINER	no on		DATE CONSIDERED:	<u> </u>	29100	1
Form PTO-1449			Patent and Tradem	ark Office - II S	DEPARTMENT OF C	OWNEDCE

PTO/SB/08A (10-96)
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Sheet

STE TRAPE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of |3

C	omplete if Known	
Application Number	10/635,070	
Filing Date	08/06/2003	
First Named Inventor	Michael J. Czaplicki	
Group Art Unit	3612	
Examiner Name	Unknown	
Attorney Docket Number	1001-009C2	

				U.S. PATENT DOC	UMENTS	
Examiner Initials*	Cite No.1	U.S. Patent I Number	Cocument Kind Code ² (if known)	Name of Patentee or Applicant	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear
nit		1,814,677		A. Fennema	05/03/1930	
74		3,649,375		P.S. Venkatesan	01/26/1970	
		4,029,128		Yamagishi	06/14/1977	
		4,083,384		Home et al.	04/11/1978	
		4,463,870		Coburn, Jr. et al.	08/07/1984	
		4,695,343		Wycech	09/22/1987	
		4,769,391		Wycech	09/06/1988	
		4,813,690		Coburn, Jr.	03/21/1989	
		4,901,395		Semrau	02/20/1990	
		4,946,737		Lindeman et al.	08/07/1990	
		4,984,406		Friesen	01/15/1991	
		5,040,803		Cieslik et al.	08/20/1991	
		5,072,952		Irrgeher et al.	12/17/1991	
		5,358,397		Ligon et al.	10/25/1994	·
		5,382,397		Turner, Jr.	01/17/1995	
		5,577,784		Nelson	11/26/1996	
		5,851,626		McCorry et al.	12/22/1998	
		5,871,849		Lepine	02/16/1999	
y		5,878,784		Sales et al.	03/09/1999	-
		5,901,752		Lundman	05/11/1999	

*				FOR	EIGN PATENT DOCUMENT	S		
Examiner Initials	Cite No.1	Office ³	Foreign Patent Do	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	78
		FR	2 539 693		Regic Nat. Des Usi	01/25/1983		X
		GB	2 156 412	A	BKL Extrustions	10/09/1985		
			87/01978		Gesenkschmiede Seh-	04/09/1987		
			3627725	A1	Daimler Benz AG	02/25/1988		F _
		EP	0 679 5 01	A1	Ymos Aktiengesells	11/02/1995		
		DE	196 35 734	Al	Ebbinghaus, Alfred	04/03/1997		
		wo	01/57130		Denovus LLC	08/09/2001		$oldsymbol{\perp}$
		WO	01/54936		Sika Corporation	08/02/2001		$oldsymbol{\perp}$
			01/56845		Sika Corporation	08/09/2001		\bot
		wo	01/71225		Sika Corporation	 09/27/2001 - 		

Date Examiner Considered Signature

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Tradamark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington. DC 20231.

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

ENTS TRADE

Co	omplete if Known	
Application Number	10/635,070	
Filing Date	08/06/2003	
First Named Inventor	Michael J. Czaplicki	
Group Art Unit	3612	
Examiner Name	Unknown	
Attorney Docket Number	1001-009C2	

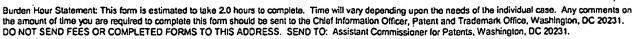
				U.S. PATENT DOCI	UMENTS				
Examiner Initials	Cite No.1	U.S. Patent I	Cocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
1/4	5,902,656			Hwang	05/11/1999				
		6,006,484		Geissbuhler	12/28/1999				
		6,053,210		Chapman et al.	04/25/2000				
		6,146,565		Keller	11/14/2000				
		6,174,932		Pachl et al.	01/16/2001				
		6,189,953		Wycech	02/20/2001				
		6,196,621		VanAssche et al.	03/06/2001				
		6,199,940		Hopton et al.	03/13/2001				
		6,247,287		Takabatake	06/19/2001				
		6,253,524		Hopton et al.	07/03/2001				
		6,263,635		Czaplicki	07/24/2001				
		6,277,898		Pachl et al.	08/21/2001				
		6,281,260		Hanley, IV et al.	08/28/2001				
		6,296,298		Barz	10/02/2001				
		6,305,136		Hopton et al.	10/23/2001				
		6,315,938		Jandali	11/13/2001				
		6,319,964		Blank et al.	11/20/2001				
		6,311,452		Barz et al.	11/06/2001				
		6,321,793		Czaplicki et al.	11/27/2001				
m		6,197,403		Brown et al.	03/06/2001				

				FOR	EIGN PATENT DOCUMENT	'S		
Examiner Initials*	Cite No.1	Office ³ Number ⁴ (if kn		cument Kind Code ^s (if knawn)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		EP	0 775 721	Al	Mitsubishi Jidosha	05/28/1997		
		DE	196 48 164	A1	Wilhelm Karmann	05/28/1998		I
		DE	299 04 705	U1	Mannesmann AG	07/29/1999		
		WO!	99/28575		Sika AG	06/10/1999		
		DE	197 53 658		Fraunhofer-Gesells	06/17/1999		
			00/03894		Cascade Engineerin	01/27/2000		
		wo	01/83206		Sika Corporation	11/08/2001		
			196 44 047	Al		05/07/1998		
		wo !	99/48746		Moller Plast Gmbh	09/30/1999		
		JP J	2001191947		Hond Motor Co Ltd	07/17/2001		

Examiner Signature Date Considered 5/28/04

*EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Please type a	plus sign (+) inside	this box	->	+

of 13

TRANSMA

Sheet

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

1001-009C2

And the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO FEB 1 1 2004 **Application Number** 10/635,070 INFORMATION DISCLOSURE 08/06/2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Michael J. Czaplicki 3612 Group Art Unit (use as many sheets as necessary) Unknown Examiner Name

Attorney Docket Number

				U.S. PATENT DOC	UMENTS	
xaminer nitials*	Cite No.1	U.S. Patent Document Number Kind Code ² (if known) 6,232,433		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MN				Narayan	05/15/2001	
77)		6,233,826		Wycech	05/22/2001	
767		6,237,304		Wycech	05/29/2001	
		6,270,600		Wycech	08/07/2001	
		6,272,809		Wycech	08/14/2001	
\neg		6,276,105		Wycech	08/21/2001	
		6,287,666		Wycech	09/11/2001	
		5,894,071		Merz et al.	04/13/1999	
		3,868,796		Bush	03/04/1975	
		6,341,467		Wycech	01/29/2002	
		6,303,672		Papalos et al.	10/16/2001	
		6,332,731		Wycech	12/25/2001	·
		6,348,513		Hilborn et al.	02/19/2002	
	1	6,073,991		Naert	06/13/2000	
	7	5,819,408		Catlin	10/13/1998	
	/	5,160,465		Soderberg	11/03/1992	
		D457,120	S	Broccardo et al.	05/14/2002	
		2002/005317	9	Wycech	05/09/2002	
A		2002/005498	8	Wycech	05/09/2002	
m		2002/007482	7	Fitzgerald et al.	06/20/2002	

				FOR	EIGN PATENT DOCUMENT	S		
Examiner Cite No.1		Office ²	Foreign Patent Doo Number ⁴	Kind Code ⁶ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τę
1/2		EP	0 236 291		Austria Metali Akdengeselischan	09/09/1987		L
		wo	98/36944		Raychem Corporation			
			00/55444		T A T D	09/21/2000		
			95/32110		Wycech, Joseph S.	11/30/1995		1
		WO	00/3/302		Adam Opel AG	06/29/2000		X
		DE	198 56 255	C1	Moller Plast GmbH	01720/2000		X
		DE	198 12 288	C1	Moller Plast GmbH	05/27/1999		X
		FR	2 749 263		Renault Societe	12/05/1997		X
		EP	0 893 332	B1	Henkel Corporation	03/20/2002		
		DE	198 58 903	A1	Adam Opel AG	06/21/2000		

Date Examiner Considered Signature

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered whether or not dilation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Olonea		_	مبياه	cian) inside	thic	hov	_
Please	type	а	olus	sign	(+)) inside	ເກເຮ	DQX	_

Sheet

(use as many sheets as necessary)

of

Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Unknown

1001-009C2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO 10/635,070 **Application Number** INFORMATION DISCLOSURE FEB 1 1 200 08/06/2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Michael J. Czaplicki 3612 Group Art Unit TA TRADEPAR

Examiner Name Attorney Docket Number

					U.S. PATENT DOC	UMENTS	
	Examiner Ci		U.S. Patent Document Kind Code² (// known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Cotumns, Lines, Where Relevant Passages or Relevant Figures Appear
<u> 74</u>	Λ				Tominaga et al.	04/24/1984	
	y		5,660,116		Dannawi et al.	08/26/1997	
Ш			5,997,077		Siebels et al.	12/07/1999	
			6,139,094		Teply et al.	10/31/2000	
			6,244,601		Buchholz et al.	06/12/2001	
			6,358,584		Czaplicki	03/19/2002	
	П		6,368,438		Chang et al.	04/09/2002	
	П		6,372,334		Wycech	04/16/2002	
	П		6,382,635		Fitzgerald	05/07/2002	<u> </u>
	\prod		6,383,610		Barz et al.	05/07/2002	
	П		6,389,775		Steiner et al.	05/21/2002	
	П		6,406,078		Wycech	06/18/2002	
	Т		6,413,611		Roberts et al.	07/02/2002	
	\top		6,419,305		Larsen	07/16/2002	
	T		6,422,575		Czaplicki et al.	07/23/2002	
	\top	. 1	6,435,601		Takahara	08/20/2002	
`	11,	71	6,455,146		Fitzgerald	09/24/2002	
	\mathcal{U}	7	2001/0020794		Ishikawa	09/13/2001	
	7	7	2002/0033617		Blank	03/21/2002	
	ᅜ		H2047 H		Harrison et al.	09/03/2002	

				FOR	EIGN PATENT DOCUMENT	rs		
Examiner Initials	Cite No.1	Office ³ Number ⁴ (if		nent Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
	_ /		J P02001191949	A	Neoex Lab Inc.	07/17/2001		
			JP406156317A		Honda Motor Co Ltd	06/03/1994		
			JP-10-53156		Neox Lab KK	02/24/1998		
			WO 01/30906		Orbseal LLC	05/03/2001		
J			WO 01/88033		Sika Corporation	11/22/2001		
-			JP 01164867		Iida Sangyo KK	06/28/1989		
			JP 61118211		Toyota Motor Corp.	06/05/1986		+
			DE 4028895C1		Mercedes-Benz	02/20/1992		1
			EP 1 122 156 A	2	Sika Corporation	08/08/2001		
110	\		JP 7-31569		Neoex	06/13/1995		X

Date Examiner Considered Signature

*EXAMINER: Initial if reference considered, whether or not ditation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 9 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Ptease type a plus sig	n (+) inside this box 🔿
------------------------	-------------------------

Sheet

of

ST& TRANSM

PTC/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

1001-009C2

der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number Complete if Known Substitute for form 1449A/PTO **Application Number** 10/635,070 INFORMATION DISCLOSURE 08/06/2003 Filing Date STATEMENT BY APPLICANT First Named Inventor <u>Michael J. Czaplicki</u> 3612 Group Art Unit (use as many sheets as necessary) <u>Unknown</u> **Examiner Name**

Attorney Docket Number

	•		U.S. PATENT DOC	UMENTS		
Examiner	Cite	U.S. Patent Docum	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant	
nitials'	No.1	Number (if kn	Code ² of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	
IM		4,822,011	Goldbach et al.	04/18/1989		
		5,474,721	Stevens	12/12/1995	• •	
ΛZ		5,544,930	Stedman	[08/13/1996		
T		5,631,027	Takabatake	05/20/1997		
		6,467,834	Barz et al.	10/22/2002		
		6,471,285	Czaplicki et al.	10/29/2002		
		6,474,722	Barz	11/05/2002		
		6,482,496	Wycech	11/19/2002		
		6,502,821	Schneider	01/07/2003		
		6,561,571	Brennecke	05/13/2003		
		6,619,727	Barz et al.	09/16/2003		
		6,620,501	Kassa et al.	09/16/2003		
		6,634,698	Kleino	10/21/2003		
		6,682,818	Czaplicki et al.	01/27/2004		
		6,668,457	Czaplicki	12/30/2003		
		6,482,486	Czaplicki et al.	11/19/2002		
		2003/0042056	Schneider et al.	03/06/2003		
		2003/0039792	Hable et al.	02/27/2003		
		2003/0001469	Hankins et al.	01/02/2003		
T_{M}		2003/0050352	Guenther et al.	03/13/2003		

<i>-</i>				FOR	EIGN PATENT DOCUMENT	\$		
Examiner Initials*	Cite No.1	Office ³ Number ⁴ (if known		Kind Code ⁶ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		GB 2	2 375 328	Α	L&L Products	11/13/2002		
ĺ		GB 2	2 083 162	- A	Energy Absorption Systems	03/17/1982		+
	_		97 03 429	A1	Bayerische Motoren Werke	08/06/1998		
mo			58-87668		Nissan Jidousha Motors	06/14/1983		X
m		JP (7-117728		Iida Sangyo KK	05/09/1995		X
m		EP	006 022	A2	Neo-Ex Lab, Inc.	06/07/2000		
MY)		EP [1 006 022	B1	Neo-Ex Lab, Inc.	09/24/2003		
mex		EP	1 256 512	A2	Adam Opel AG	11/13/2002		
m		DE 4	12 27 393	Al	Volkswagen AG	03/04/1993		X
my		EP	366 960	A1	Hexcel Corporation	12/03/2003		

Examiner Signature March Date Considered S/28/04

*EXAMINER: Initial if reference considered, whether on not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please	tvoe a	clus s	ian (+)	inside	this box	\rightarrow	Г

PTO/SB/08A (10-96)
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

/o'' <	Gubstit	ute for form 1449A/PT)		Complete if Known			
4 1 20	A SOLE		_		Application Number	10/635,070		
· FEB 11 a	T INF	ORMATION	D	SCLOSURE	Filing Date	08/06/2003		
•		ATEMENT E	Y	APPLICANT	First Named Inventor	Michael J. Czaplicki		
TRANSM	**				Group Art Unit	3612		
PANER	1	(use as many she	ets a	is necessary)	Examiner Name	Unknown		
	Sheet	1	of	1	Attorney Docket Number	1001-009C2		

				U.S. PATENT DOC	UMENTS	
Examiner nitials*	Cite No.1	U.S. Patent D Number	Cocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
100	(6,474,723		Czaplicki et al.	11/05/2002	
		6,523,884		Czaplicki et al.	02/25/2003	
4		6,575,526		Czaplicki et al.	06/10/2003	
$\perp \perp$		6,607,238		Barz	08/19/2003	
ΔL		6,573,309		Reitenbach et al.	06/03/2003	
4		6,641,208		Czaplicki et al.	11/04/2003	
\mathscr{U}						
<u> </u>						
		ļ				
		<u> </u>	_			
					<u> </u>	
					 	
1		}			1 1	·

				FOR	EIGN PATENT DOCUMENT	'S		
Examiner Initials*	Cite No.1	Office	Foreign Patent Do	cument Kind Code ^a (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ¢
mx		wo	02/055923	A2	Daimlerchrysler AG	07/18/2002		
mg		wo	03/047951	A1	Dow Global Technologies Inc.	06/12/2003		
mo		wo	03/089221	A1	Dow Global Technologies Inc.	10/30/2003		
mg		EP	1 362 683			11/19/2003		
my		EP	1 362 769	A1	L&L Products Inc.	11/19/2003		
Mg		wo	03/042024	Al	L&L Products, Inc.	05/22/2003		┼
		\Box						╄
						1		

Examiner Signature	Date Considered	Sholay
--------------------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please	type a	plus sign	(+) inside	this box	->	+

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449B/PTO 10/635,070 **Application Number** IFORMATION DISCLOSURE 08/06/2003 Filing Date TATEMENT BY APPLICANT First Named Inventor Michael J. Czaplicki 3612 Group Art Unit TO TRADE **Examiner Name** Unknown (use as many sheets as necessary) of |0 Attorney Docket Number Sheet 1001-009C2

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	T
Examiner nitials	Cite No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
		publisher, dry under country whole positiones.	十
			+
		International Search Report dated September 7, 2001.	╁╴
			+
-		International Preliminary Examination Report dated June 25, 2002.	↓_
m		KLEIN, M. and Adam Opel AG, "Application of Structural Foam in the Body in White -	1
		Reinforcement Roof Rail Side of the OPEL ASTRA", VDI Berichte NR, pp. 227-250.	x
		Copending Application Serial No. 09/631,211 filed August 3, 2000	-
		Coperialing reprincation derivative. 69/05/1211 Med Plagase 5, 2000	T
			+
			+-
			L
			ŀ
			†
		•	1
			╁
		·	
			1
			1
			

Examiner Signature Date Considered S/0.4

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.